

## ABSTRACT OF THE DISCLOSURE

Immunization formulations comprising an antigen and an emulsan or emulsan analog are formed and can be administered to a host. The emulsan or emulsan analog is an adjuvant in the immunization formulation. The emulsan or emulsan analog is  
5 secreted from *Acinetobacter calcoaceticus*. In particular, the emulsan or emulsan analog is secreted from *Acinetobacter calcoaceticus* RAG-1. The emulsan analog is produced and secreted from *Acinetobacter calcoaceticus* cultured in the presence of varying fatty acid sources. The emulsan analog is also produced and secreted from  
10 mutants of *Acinetobacter calcoaceticus*, such as transposon mutants of *Acinetobacter calcoaceticus* RAG-1.